

CONCRETE PAD (NOT REQ'D IN

COUPLING

-DEAD END

RESTRAINING

GLAND, (MEGA-LUG OR EQUAL)

W9

(SEE DETAIL W13)

ANCHOR

-1'-6" SQ.x 6"
THICK CONCRETE

PAD (NOT REQ'D. IN PAVEMENT.)

OR ANCHORING

W1

BURY LINES \

(SEE DETAILS W7 & W7A)—

2'x 2'x 8"

CONCRETE

GRANULAR BEDDING-

CONC. THRUST

BLOCK -

06/02/02

SOLID BLOCK-

1. FIELD PAINTING OF HYDRANT REQUIRED.

4. SEE DETAIL W9 FOR DIMENSIONS.

2. REFER TO APPROVED PRODUCTS LIST FOR ADDITIONAL REQUIREMENTS.

DEAD END HYDRANT

3. FIRE HYDRANT TO BE A MINIMUM 5'-0" FROM ALL ENTRANCES.

5. SERVICE TAPS NOT PERMITTED UPSTREAM OF DEAD END ANCHOR.

6. LANDSCAPING NOT PERMITTED WITHIN 5'-0" OF HYDRANT.

RESTRAINING GLAND (MEGA-LUG OR EQUAL)

- TRENCH EXCAVATION

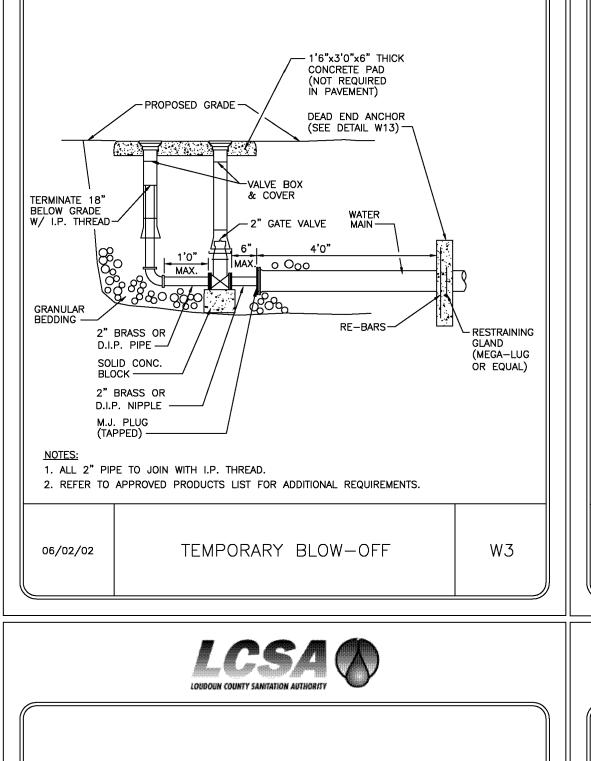
4- #6 RE-BARS

DEAD END ANCHOR SCHEDULE LINE | A | B* | C | D*

6" 2'-0" 1'-0" 1'-6" 1'-0" 8" 2'-0" 1'-6" 1'-6" 1'-0" 10" 2'-3" 1'-6" 1'-6" 1'-6" 1'-6" 12" 2'-6" 2'-0" 1'-6" 1'-6" 1'-6"

W6

ABOVE PIPE



— EX. GRADE

RESTRAIN PIPING FROM DEAD END ANCHOR TO HYDRANT BARREL.
 REFER TO APPROVED PRODUCTS LIST FOR ADDITIONAL REQUIREMENTS.

DEEP HYDRANT

PERPENDICULAR TO MAIN

3. OFFSET BENDS TO BE USED WHERE APPLICABLE.

M.J.x M.J. BEND

CONCRETE PAD

SEE TYPICAL HYDRANT

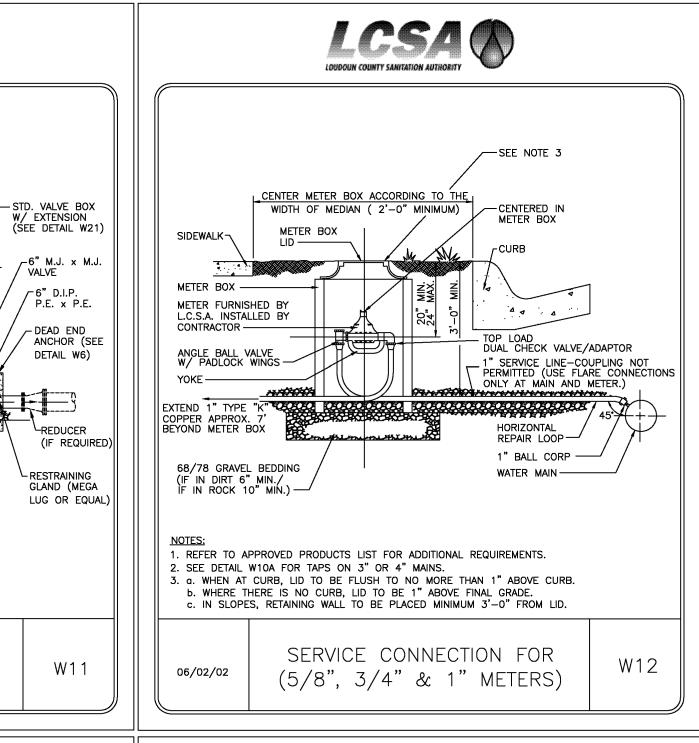
INSTALLATION DETAILS ---

RESTRAIN W/ RESTRAINING GLANDS (MEGA-LUG OR EQUAL)

OR ANCHOR FITTINGS -

06/02/02

LCSA



1.25/22.50 2.5

THE ABOVE TABLE IS BASED ON 2000 PSF SOIL BEARING CAPACITY, R=2PA SIN $\Theta/2$, AND FOR A TEST PRESSURE = 1.5 x WORKING PRESSURE (150 PSI).

. CONCRETE ANCHOR BLOCK DIMENSIONS FOR TEES TO

ANCHOR BLOCK DESIGN FOR PIPE LARGER THAN 24"

SHALL BE REVIEWED ON AN INDIVIDUAL BASIS BY THE AUTHORITY'S ENGINEER.

. WRAP FITTING WITH POLYETHELENE SHEETING. CONCRETE MUST NOT OBSTRUCT ACCESS TO MECHANICAL JOINT

CONCRETE STRENGTH SHALL BE 2000 PSI (LCSA CLASS C).

1'-0" MIN. INTO

CONCRETE THRUST BLOCKS

UNDISTURBED EARTH-

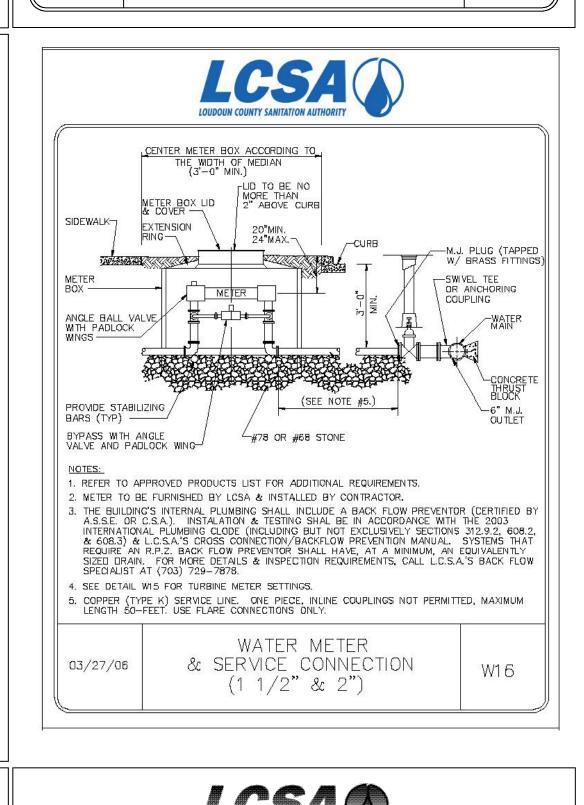
BE SAME AS SHOWN FOR 90° BENDS.

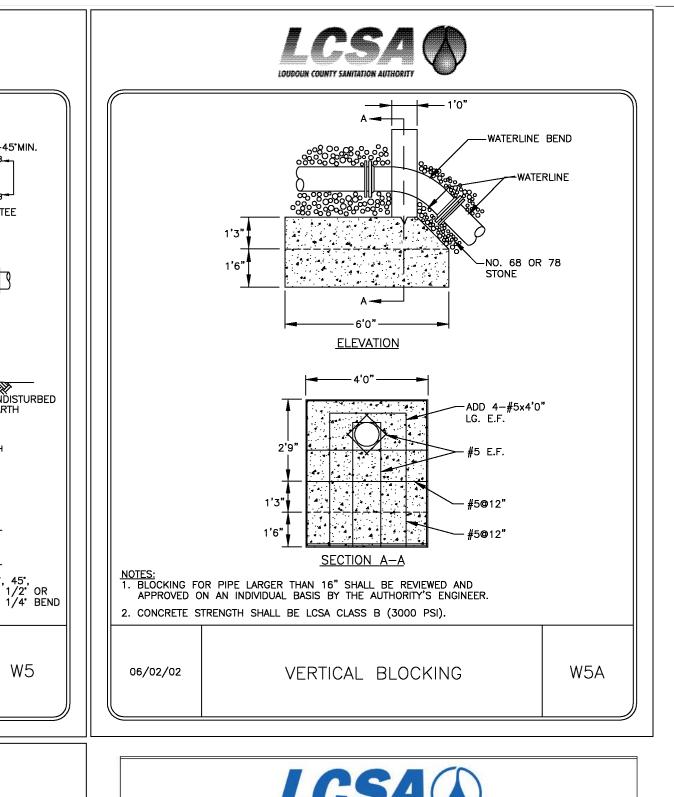
06/02/02

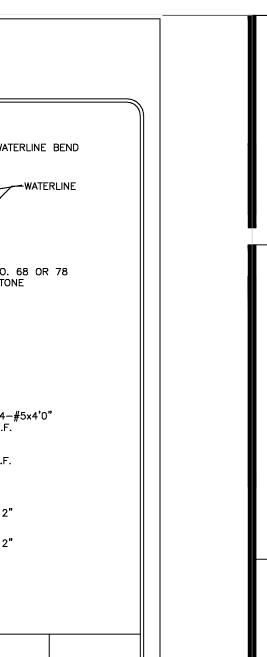
SECTION A-A

SECTION B-B

BENDS-PLAN









ALPHA CORPORATION 21351 Ridgetop Circle, Suite 200 Dulles, Va 20166 (703) 450-0800

STRUCTURAL: EHLERT-BRYAN 1451 Dolley Madison Blvd. Suite 220 Mclean, VA 22101 (703) 827-9552

MECHANICAL/ELECTRICAL: **BRINJAC ENGINEERING** 4000 Albermarle Street, NW Washington, DC 20016 (202) 237-2750

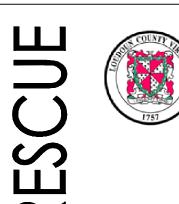


DETAIL

لِيا

 \bigcirc

0



NWO. KEY PLAN REVISIONS:

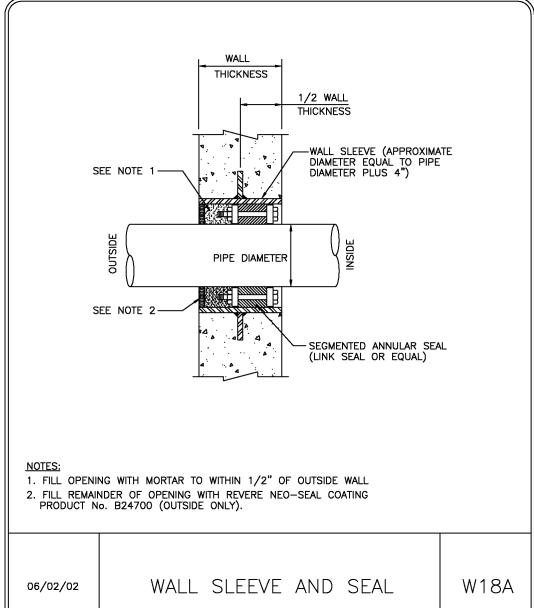
09-26-07 BID SET

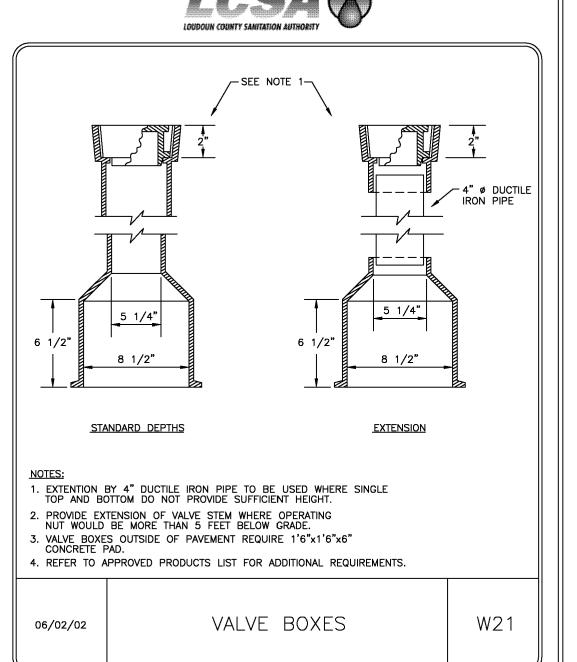
STAMP AND SEAL:

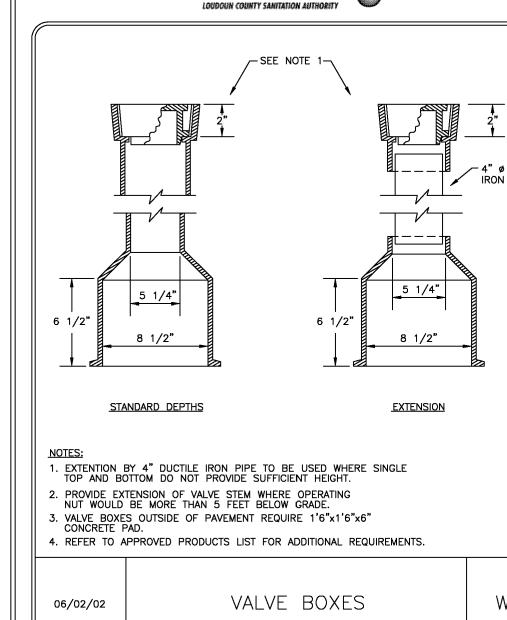
DATE: SCALE: AS NOTED 09-26-07 PROJECT NO. 061 SHEET:

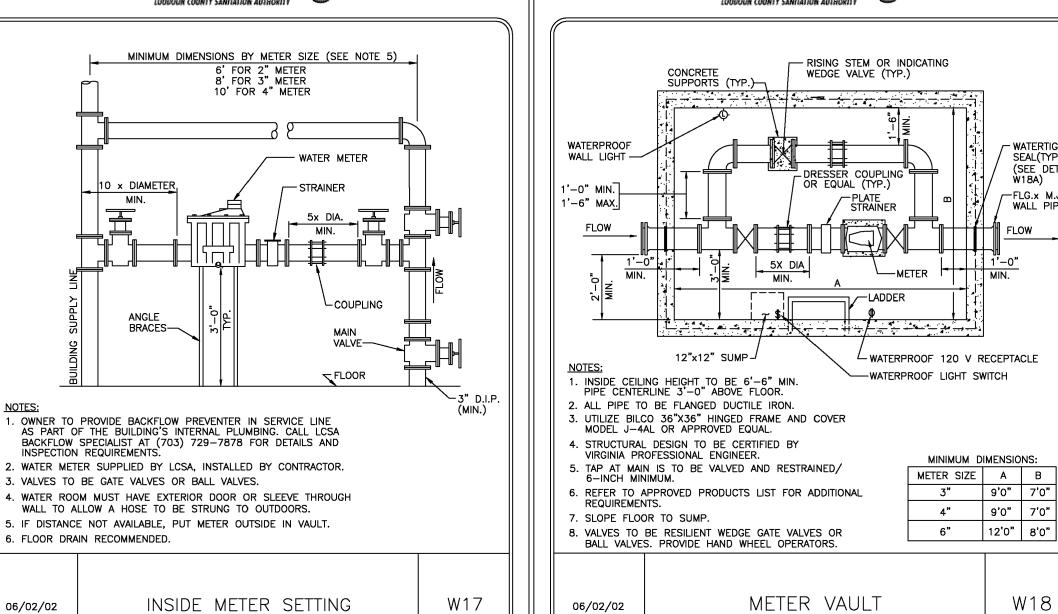
C - 138

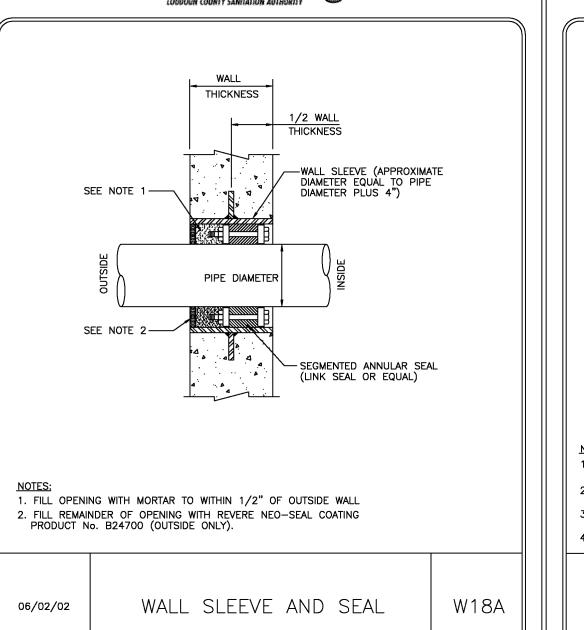
CONCRETE SUPPORTS (TYP.) SEAL(TYP.) (SEE DETÁIL DRESSER COUPLING OR EQUAL (TYP.) Ŵ18A) —PLATE STRAINER FLG.x M.J. WALL PIPE □ /—LADDER 12"x12" SUMP-WATERPROOF 120 V RECEPTACLE 1. INSIDE CEILING HEIGHT TO BE 6'-6" MIN. PIPE CENTERLINE 3'-0" ABOVE FLOOR. 2. ALL PIPE TO BE FLANGED DUCTILE IRON. 3. UTILIZE BILCO 36"X36" HINGED FRAME AND COVER MODEL J-4AL OR APPROVED EQUAL. 4. STRUCTURAL DESIGN TO BE CERTIFIED BY VIRGINIA PROFESSIONAL ENGINEER. MINIMUM DIMENSIONS: . TAP AT MAIN IS TO BE VALVED AND RESTRAINED/

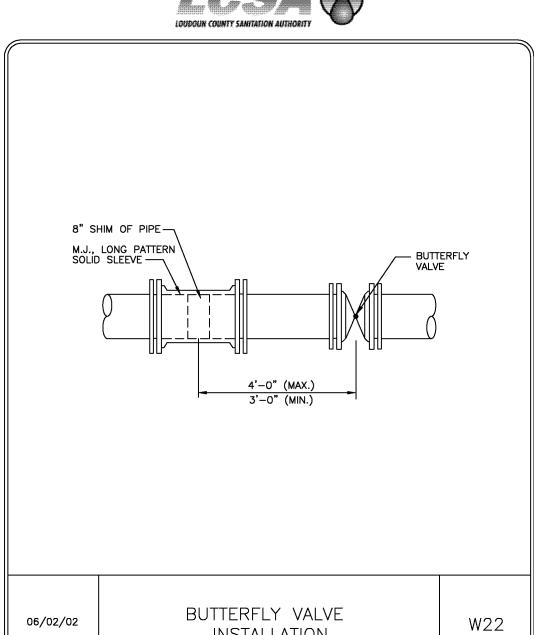












INSTALLATION